

OPTICAL CONNECTOR

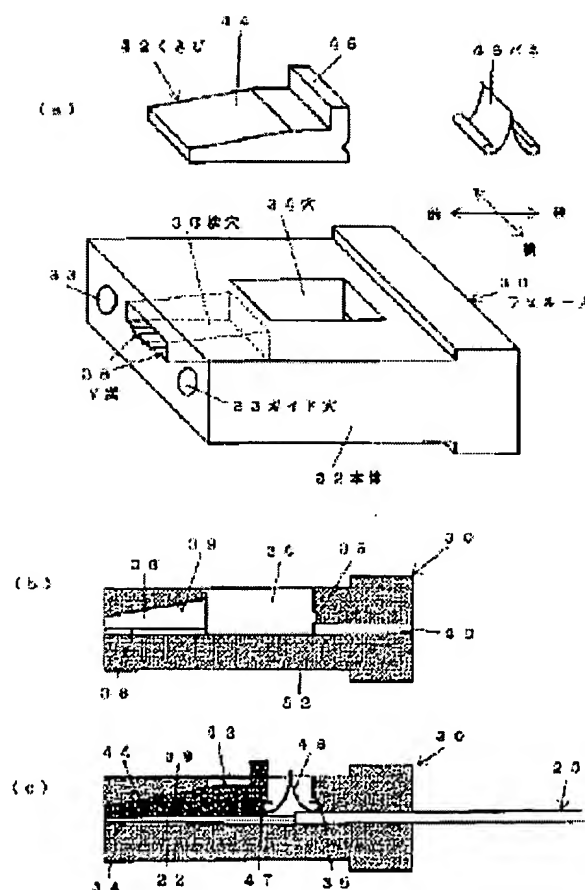
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Abstract of JP8240742

PURPOSE: To improve the efficiency of on-site work and to facilitate disassembly and reassembly by fixing optical fibers into the positioning grooves in a ferrule by a press fixing member.

CONSTITUTION: The connection of the ferrule 30 and the coated optical fibers 20 is executed by inserting the coated optical fibers 20 subjected to leading into the ferrule 30 from behind and inserting the optical fibers 22 into the V-grooves 38. The tapered part 44 of a wedge 42 is inserted into a cross hole 36 of a ferrule body 32. A spring 48 is put between the rear surface of the wedge 42 and a main body 32 to apply forward force on the wedge 42. As a result, the optical fibers 22 are pressed by the lower plane of the wedge 42 and are fixed in the V-grooves 38. The wedge 42 and the main body 32 are respectively provided with grooves 47, grooves 35 to prevent the disengagement of the spring 48. The front surface of the ferrule body 32 is polished to complete the assembly.



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